

## PROCEEDINGS OF THE SIXTY-FIRST ANNUAL MEETING

CURTIS S. ADKISSON, SECRETARY

The Sixty-first Annual meeting of The Wilson Ornithological Society, and the third jointly with The Cooper Ornithological Society, was held Wednesday, 19 March to Sunday, 23 March 1980, at the La Quinta Royale Motor Inn, Corpus Christi, Texas. The hosts for the meeting were Corpus Christi State University and the Coastal Bend Audubon Society. Dr. Brian R. Chapman chaired the local arrangements committee. Three hundred fifty-eight persons attended the meeting.

The meeting opened with an informal social Wednesday night at the motel. On Thursday morning the societies were welcomed by Dr. B. Allen Sugg, President of Corpus Christi State University. Presidents George A. Hall and Dennis Power responded for the Wilson and Cooper Ornithological societies, respectively. After the first business meeting, the paper sessions began.

The annual banquet was held in the Sala Grande of the motel on Saturday night. Albert Heiene, Director of the Corpus Christi Museum, gave an excellent banquet address, featuring the humorous side of his work, and that of his colleagues, in science education of the public.

At the banquet, First Vice-President A. S. Gaunt announced the following awards:

### **Edwards Prizes** (for best papers appearing in The Wilson Bulletin in 1979)

- 1) First Edwards Prize to Ellen R. Ketterson, "Aggressive behavior in wintering Dark-eyed Juncos: determinants of dominance and their possible relation to geographic variation in sex ratio" (Wilson Bull. 91:371-383).
- 2) Second Edwards Prize to Charles R. Brown, "Territoriality in the Purple Martin" (Wilson Bull. 91:583-591).

### **Margaret Morse Nice Award**

Nancy L. Newfield, "Hummingbirds wintering in the New Orleans area"

### **Louis Agassiz Fuertes Grant**

Gregory S. Butcher, "Coloration in Orioles, the genus *Icterus*"

### **Paul A. Stewart Awards**

- Bruce B. Edinger, "Investigations of behavioral isolating mechanisms in two morphs of the Northern Oriole (*Icterus galbula*) in a zone of sympatry"
- Diane E. Riska, "Breeding biology and communication behavior of the Brown Noddy, *Anous stolidus* (Aves: Laridae), Dry Tortugas, Florida"
- Gregory A. Perkins, "Status of Giant Canada Geese (*Branta canadensis maxima*) nesting in northwest Illinois"
- Scott R. Winterstein, "Ecology and sociobiology of the Black-throated Magpie-jay"

### **Alexander Wilson Prize** (for best student paper at this meeting)

M. W. Collopy and K. Collopy, "Growth energetics of Golden Eagles"

Field trips included opportunities to observe a lek of Attwater's Prairie Chicken, to visit the Aransas National Wildlife Refuge, at which Whooping Cranes were the objects of major interest as well as the Welder Wildlife Foundation.

## FIRST BUSINESS MEETING

The first business meeting, held on 20 March 1980, was presided over by President George A. Hall, who announced the posting of the list of new members. He also appointed the Alexander Wilson Prize Committee, consisting of M. S. Ficken, J. V. Remsen, Jr., R. Szaro and C. Weise.

Treasurer Robert D. Burns presented the Treasurer's Report.

## REPORT OF THE TREASURER

8 JUNE 1979 TO 31 DECEMBER 1979

## GENERAL FUNDS

Cash balance received from E. Hoover, 8 June 1979 ..... \$ 3,500.00

## RECEIPTS

## Membership Dues

1979 .....	\$ 6,464.50	
1980 .....	14,290.00	
Total Dues .....		\$20,574.50
Sustaining for 1979 .....	\$ 200.00	
Sustaining for 1980 .....	200.00	
Total Sustaining .....		\$ 400.00

Subscriptions to *The Wilson Bulletin*

For 1979 .....	\$ 2,894.00	
For 1980 .....	4,804.00	
Total Subscriptions .....		\$ 7,698.00
Back issues of <i>The Wilson Bulletin</i> .....		1,558.30
Interest and Dividends .....		5,570.78
Royalties .....		305.04
Contributions from Authors and Others .....		2,468.79
Contributions from Life Members and Patrons .....		<u>2,172.44</u>
Total Receipts, 8 June 1979 to 31 December 1979 .....		\$ 44,076.85

## DISBURSEMENTS

<i>The Wilson Bulletin</i> (Printing and Engraving) .....	\$30,632.05
Secretary's Expense .....	22.22
Treasurer's Expense .....	418.28
Ornithological Societies of North America .....	<u>2,993.07</u>
Total Disbursements .....	\$ 34,065.62

## GENERAL CASH FUND

Checking Account, 31 December 1979 .....	\$14,893.99
Savings Account, 31 December 1979 .....	<u>278.59</u>
Total Cash on Hand .....	\$ 15,172.58

## VAN TYNE MEMORIAL LIBRARY FUND

## RECEIPTS

Sales of Duplicates and Books ..... \$ 1,623.47

## DISBURSEMENTS

Purchase of Books ..... 380.08

Balance of Library Funds ..... \$ 1,283.39

## LOUIS AGASSIZ FUERTES RESEARCH FUND

RECEIPTS ..... \$ -0-

## DISBURSEMENTS

Patricia A. Gowaty ..... 200.00

## MARGARET MORSE NICE FUND

RECEIPTS ..... \$ -0-

## DISBURSEMENTS

Craig Perdue ..... 100.00

## ERNEST P. EDWARDS PRIZE

## RECEIPTS

E. P. Edwards ..... \$ 350.00

## DISBURSEMENTS

Glen Woolfenden ..... 225.00

David Ainley ..... 125.00

## PAUL A. STEWART AWARDS

RECEIPTS ..... \$ 800.00

## DISBURSEMENTS

Robert Cohen ..... 200.00

Christopher Herlugson ..... 200.00

Susan Hannon ..... 200.00

Bruce Pugeseck ..... 200.00

## AARON BAGG STUDENT MEMBERSHIP AWARD FUND

## RECEIPTS

Anonymous ..... \$ 200.00

## DISBURSEMENTS

17 Student Awards ..... 170.00

Balance in Bagg Fund ..... \$ 30.00

## ENDOWMENT FUNDS

Balance received from E. Hoover ..... \$ 8,000.00

Life Membership Payments ..... 5,674.50

Total Receipts ..... \$ 13,674.50

Amount sent to Investment Trustees .....	\$13,290.00	
Balance in Endowment Savings Account 31 December 1979 .....	\$	384.50
Investments Held as of 31 December 1979		
Cash Equivalents .....	\$ 4,332.73	
U.S. Govt. & Govt. Guaranteed Bonds .....	25,875.30	
International Bank .....	7,672.50	
Canadian Provincial Bonds .....	3,343.75	
Corporate Bonds .....	21,652.50	
Convertible Corporate Bonds .....	2,950.00	
Convertible Preferred Stocks .....	6,750.00	
Common Stocks .....	<u>59,851.50</u>	
Total Investments .....		\$132,428.28
Total General Endowment Fund .....		\$132,812.78

#### GEORGE M. SUTTON COLOR PLATE FUND

##### Investments Held as of 31 December 1979

Cash Equivalents .....	\$ 1,000.00	
International Bank Bonds .....	852.50	
Canadian Provincial Bonds .....	3,875.00	
Corporate Bonds .....	8,718.75	
Common Stocks .....	<u>12,675.00</u>	
Total Sutton Investments .....		\$ 27,121.25
Total Combined Wilson Ornithological Society Endowment Funds .....		\$159,934.03

## SECOND BUSINESS MEETING

The second business meeting was convened by President George A. Hall on Saturday, 22 March 1980. The proposed new members were elected unanimously.

The Secretary reported on the actions of the Council at its Thursday night meeting. A major item was the announcement of the Society's need for a dues increase. Dues for 1981 will be: students, \$14.00; regular, \$16.00; sustaining and family, \$25.00. The cost of life membership will continue to be \$250.00. The Secretary also reported that Jon C. Barlow was re-elected as Editor of *The Wilson Bulletin*.

Reports presented at this meeting or to Council are summarized below.

#### AUDITING COMMITTEE REPORT—1979

We, the undersigned, have examined the Treasurer's records, bank statements, cancelled checks and other financial records dated 8 June through 31 December 1979. The financial status of The Wilson Ornithological Society is that as stated as of 31 December 1979 and as amended 20 March 1980. Our examination indicates that all income and disbursements have been properly credited and debited from the proper accounts as authorized.

William A. Klamm, *Member*  
Clait E. Braun, *Member*

## MEMBERSHIP COMMITTEE REPORT—1979

During the last year the Society gained 339 new members of which 86 were students, 32 were reinstated past members and six involved life membership payments. With the dropping of about 40 members from the roles due to their withdrawal or non-payment of dues, the total gain in membership is about 300.

Robert C. Whitmore, *Chairman*

## STUDENT MEMBERSHIP COMMITTEE REPORT—1979

Aaron Bagg student membership awards were advertized in the *Bulletin*, and requests for nominees were sent to 192 Society members. The committee made awards to 23 students. Eighteen students were nominated for Society membership, and these were invited to join. There is no doubt that Society members play the major role in recruiting new student members and if more would take a few minutes to suggest student nominees each year we would reach more people and dramatically increase student membership.

John L. Zimmerman, *Chairman*

Charles F. Leck

Roland R. Roth

Stephen M. Russell

## EDITOR'S REPORT—1979

This was a very busy year. Rate of submission of new manuscripts increased over 1978. We published 92 manuscripts in 1979, of which 75 had been accepted during Jerry Jackson's editorship. With the increased submission rate and the necessity of reducing the size of the *Bulletin*, the rate of acceptance has decreased somewhat. In 1979 the time between receipt and publication of manuscripts was 18–24 months, due partly to the backlog of manuscripts. It is apparent that an increasing number of articles are being subsidized through page charges, and this can help us maintain the size of the journal.

In the past year, Trudy Rising left *The Wilson Bulletin* staff to take a new editorial job. I am grateful for her assistance during the first year of operation. In September 1979, Margaret May assumed the position of Assistant Editor. In addition I have had the able help of four student editorial assistants.

All in all I have enjoyed editing *The Wilson Bulletin*, and look forward to the opportunities of the next year.

Jon C. Barlow, *Editor*

## LIBRARY COMMITTEE REPORT—1979

During the past year the Van Tyne Memorial Library, with the constant efforts of Janet Hinshaw, has continued its steady growth. Major efforts and acquisitions are in the following areas. We are building up our collection of translations from foreign journals. Sales of duplicates brought about \$700.00, greatly helping with the funding of the library. Some 35 new books, records and journals were purchased. The library continues to receive 149 journals and newsletters through 115 exchanges, and received 45 complimentary subscriptions and gifts; 195 titles were received, including 1 subscription. During the year, 2000 items were donated by members: 61 books, 1328 reprints, 138 reports and pamphlets, 467 periodical issues, 3 translations and 3 theses.

Donations were made by 27 members. Of these, A. J. Berger supplied 1177 items, including nearly all of the above books and reports. Other donors were W. Belton, K. Bildstein, J. Blick, C. E. Braun, C. R. Brown, G. A. Clark, S. Goodman, J. Hinshaw, H. Horton, C. Kagarise, L. H. Kelso, H. F. Mayfield, M. J. Mengel (for Univ. Kansas Mus. Nat. Hist.), P. Myers, R. B. Payne, C. Ross, R. W. Schreiber, D. Siegel-Causey, A. Simon, R. W. Storer, J. G. Strauch, Jr., J. Tate, Jr., G. J. Wallace, S. R. Wilbur, T. Will and L. R. Wolfe.

Once more we thank all of the membership, and encourage their even greater support and use of The Wilson Ornithological Society's fine library.

William A. Lunk, *Chairman*

#### REPORT OF THE JOINT RESOLUTIONS COMMITTEE

The following resolutions were read and passed at the second business meeting:

WHEREAS in recognition of the need for the United States Fish and Wildlife Service, State Conservation Agencies and the Canadian Wildlife Service to prepare long-range recovery and management plans for endangered and threatened wildlife and for other species of ecological or economic importance, and,

WHEREAS in recognition of the importance of acquiring the best biological input for the initial plans and for subsequent scientific reviews,

THEREFORE BE IT RESOLVED that The Wilson and Cooper Ornithological societies jointly commend the responsible agencies for their initiative in consulting both government and outside specialists on these species, and,

FURTHERMORE, encourage these agencies to extend this policy to all such related plans during both their inception and subsequent reviews.

WHEREAS, The Cooper and Wilson Ornithological societies at their third joint meeting held at Corpus Christi, Texas, 19-23 March 1980, visited nearby Aransas National Wildlife Refuge, and,

WHEREAS, the members of these societies were treated to excellent views of Whooping Cranes, and endangered species wintering at Aransas NWR, as well as thousands of other waterbirds, and,

WHEREAS, many of these birds, including the Whooping Cranes, cross international boundaries and therefore require international recognition and protection, and,

WHEREAS, the international and national significance of Aransas NWR can more fully be recognized by the United States accession to the RAMSAR Convention on Wetlands of International Importance,

THEREFORE, BE IT RESOLVED that the Cooper and Wilson Ornithological societies express their appreciation to the State of Texas on its role in protecting its migratory wildlife and these societies further recommend that the State of Texas urge the United States Government to accede to the RAMSAR Convention and to list Aransas National Wildlife Refuge as the first United States wetland to be recognized as of international importance under that convention.

WHEREAS, in recognition of the need to preserve and protect the environmental, economic and aesthetic values of our nation's coastal areas, the President of the United States has declared 1980 to be the Year of the Coast, and,

WHEREAS, there is a national effort underway to create a coordinated public information campaign about the values of and threats to coastal zones and resources,

IT IS HEREBY RESOLVED by the Cooper and Wilson Ornithological societies, jointly



to support the Year of the Coast campaign during 1980 and encourage our members to participate in local information and education programs.

WHEREAS, nongame fish and wildlife populations have many values important to society, including ecological, aesthetic, social, economic, educational, scientific, recreational and others, and,

WHEREAS, these resources and their associated values can be maintained and perpetuated only through well designed research and management programs, and,

WHEREAS, current research and management programs for nongame fish and wildlife are severely constrained by voids in the fundamental information and by inadequate levels of funding to strengthen essential programs, and,

WHEREAS, bills (H. R. 3292 and S. 2181) seeking to establish a joint federal-state Fish and Wildlife Conservation Act, and strengthen nongame fish and wildlife programs, have passed the House and will shortly be presented to the full Senate,

THEREFORE, BE IT RESOLVED that the Cooper and Wilson Ornithological societies jointly hereby urge the Senate to pass S. 2181 and furthermore urge the Conference Committee to resolve the differences between the two bills to the greatest benefit to nongame wildlife and return a bill to Congress, to adopt such a revised bill immediately and to insure implementation of the federal-state nongame Fish and Wildlife Conservation Act, and further resolve to urge the President to sign it into law.

BE IT FURTHER RESOLVED, that we encourage the U.S. Congress in its next session to take action to fund such a Conservation Act on a sound, sustained basis by assigning to it revenues from a tax on appropriately related items.

WHEREAS, the State of Alaska contains unique and fragile ecosystems which are as yet largely unaltered by mankind and which are of scientific, educational, economic and recreational value to the United States, and,

WHEREAS, the United States Senate has postponed its debate on the Alaska Lands bills (S. 9) and Tsongas Amendment 626 until after 5 July 1980 with the possible result that no bill will be passed this session to protect these national lands in Alaska, and,

WHEREAS, in consequence, Secretary of the Interior, Cecil D. Andrus on 12 February 1980, withdrew 40 million acres of land under the authority of the Federal Land Policy and Management Act to be managed as wildlife refuges by the Fish and Wildlife Service or as natural resource areas by the Bureau of Land Management, and,

WHEREAS twelve million more acres may be subsequently withdrawn if Congress does not itself protect these national lands,

THEREFORE, BE IT RESOLVED that the Wilson and Cooper Ornithological societies jointly commend and support Secretary Andrus on his actions, and,

FURTHERMORE, encourage the Senate to support speedily the passage of the Tsongas substitute bill, Amendment 626, which most nearly matches that passed by the House of Representatives (H. R. 39) which appropriately protects the Alaskan lands.

WHEREAS, the Wilson and Cooper Ornithological societies held their third joint meeting on 19-23 March 1980, at Corpus Christi, Texas, at the invitation of Corpus Christi State University and the Coastal Bend Audubon Society and were treated to convenient and comfortable housing and meeting rooms, and,

WHEREAS, important and interesting scientific papers on a variety of subjects were presented to satisfy the full spectrum of participants and precise timing enabled concurrent sessions to operate successfully, and,

WHEREAS, there was in addition a full range of accessory activities including conveniently placed poster papers, entertaining and instructive movies and prospects of a delicious and entertaining banquet, and,

WHEREAS, the field trips before and after the meeting were well organized so as to enable us to enjoy the richness of bird life in this region,

IT IS THEREFORE RESOLVED that we, the members of the Wilson and Cooper Ornithological societies jointly express our grateful appreciation to our hosts, Corpus Christi State University and the Coastal Bend Audubon Society, and especially to Brian Chapman, Jerome Jackson and field trip organizer, Ray Little, and the members of their committees, whose planning, organization, hospitality and perseverance have made this meeting an especially enjoyable experience.

#### NOMINATING COMMITTEE REPORT—1979

As the final item of business the Nominating Committee, chaired by Clait Braun, submitted the following slate of officers for 1980–81: President, George A. Hall; First Vice-President, Abbot S. Gaunt; Second Vice-President, Jerome A. Jackson; Secretary, Curtis A. Adkisson; Treasurer, Robert D. Burns; Elected Member of Council (term expires in 1983) Mary H. Clench. There being no further nominations, it was moved, seconded and passed that the Secretary be instructed to cast a unanimous ballot for the slate.

#### PAPERS SESSION

- R. D. Ohmart, J. Rice and B. W. Anderson, Arizona State Univ., *Species turnover rates in contiguous riparian habitats.*
- J. P. Myers, Museum of Vertebrate Zoology, Univ. Calif., *Turning off territorial behavior: Merlins and Sanderlings in the winter.*
- R. Greenberg, Museum of Vertebrate Zoology, Univ. Calif., *Comparative exploitation systems of two tropical wintering Dendroica.*
- S. M. Smith, Mt. Holyoke College, *Demand behavior: a reinterpretation of courtship feeding.*
- J. A. Mosher and K. Titus, Univ. Maryland, *Nest-site habitat partitioning by woodland breeding raptors.*
- G. T. McQuate, 24 Canterbury Drive, Athens, Ohio, *Habitat selection in the Yellow-breasted Chat in southwestern Virginia.*
- J. Cracraft, Univ. Illinois, *The impact of alternative methods of phylogenetic reasoning on the analysis of avian relationships: the Ciconiiformes revisited.*
- W. E. Lanyon, American Museum of Natural History, *The generic status of the Flame-molined Flycatcher of Mexico.*
- J. D. Rising, Univ. Toronto, *Savannah Sparrows (Passerculus sandwichensis) and Bergmann's rule.*
- L. F. Baptista and M. L. Morton, Occidental College, *Song dialects and mate selection in montane White-crowned Sparrows.*
- R. B. Payne, Univ. Michigan, *Song sharing and its ecological consequences in Indigo Buntings.*
- J. C. Barlow, Royal Ontario Museum, *Variation in song in the West Indian Vireo "griseus" superspecies complex.*
- M. F. Passmore, Rob and Bessie Welder Wildlife Foundation, *Reproduction in juvenile Ground Doves.*
- R. E. MacMillen, Univ. California, *Nonconformance of standard metabolism to body mass in Hawaiian Honeycreepers.*
- D. P. Hector, Oklahoma State Univ., *Hunting behavior of the Aplomado Falcon (Falco femoralis) in eastern Mexico.*
- P. D. Drye, III and R. D. Brown, Univ. North Carolina, *Prey selection in wild, free-ranging American Kestrels.*



- R. D. Crawford, Univ. North Dakota, *Hatching asynchrony in rails.*
- J. B. Brannon, Univ. Texas, *Behavior and ecology of a breeding Harris' Hawk population in Texas.*
- R. N. Conner, J. G. Dickson and B. A. Locke, Southern For. Expt. Stat., Texas, and Stephen F. Austin State Univ., *Herbicide killed trees may be potential cavity sites for woodpeckers.*
- T. E. Olson, Colorado State Univ., *Agricultural land use changes and Mourning Dove production in northeastern Colorado.*
- E. J. Temeles, Louisiana State Univ., *Sexual size dimorphism in the New World Falconiformes.*
- W. B. McGillivray, Univ. Kansas, *Co-variation of environment and phenotype: phenetic affinities of the Dickcissel.*
- S. Robinson, Dartmouth College, *Ecological and social interactions of two species of Vireo.*
- J. A. Gradwohl and R. Greenberg, Univ. Calif., *Formation, composition and movement of mixed species forest flocks in lowland Panama.*
- J. E. Skaley, Cornell Univ., *Habitat analysis of common passerine species using aerial photography.*
- B. W. Miller and B. Bohmke, San Antonio Zoo, *Nest construction and nesting behavior of the Giant Pitta (Pitta caerulea).*
- L. A. Ryel, Michigan Dept. Natural Resources, *Population change in Kirtland's Warbler.*
- K. J. Cook, Western State College, *An hypothesis of Flammulated Owl ecology.*
- B. A. Locke, Stephen F. Austin State Univ., Nacogdoches, *Estimating Red-cockaded Woodpecker populations in east Texas.*
- G. L. Miller, M. A. Byrd and R. A. Beck, Mississippi State Univ. and College of William and Mary, *The population, habitat, behavioral and foraging ecology of the Red-cockaded Woodpecker (Picoides borealis) in southern Virginia.*
- E. J. Finck and J. K. Wilson, Kansas State Univ., *Comparison of Common Nighthawk (Chordeiles minor) nesting on annually burned and unburned tallgrass prairie.*
- J. L. Zimmerman, Kansas State Univ., *Clutch-size in Dickcissels.*
- B. E. Petersen, Wildlife Research Center, Colorado, *Lek attendance patterns of female Sage Grouse.*
- S. R. Emmons, 1918 Southdown Ct., Fort Collins, Colorado, *Lek attendance of male Sage Grouse.*
- P. D. Boersma, Univ. Washington, *Incubation and burrow temperatures of Fork-tailed Storm-petrels.*
- D. A. McCrimmon, Jr., Cornell Lab. of Ornithology, *The status of populations of the Great Blue Heron in upstate New York.*
- J. C. Kricher, Wheaton College, *Analysis of the range expansion of the Tufted Titmouse (Parus bicolor) in Massachusetts and its effect on the Black-capped Chickadee (Parus atricapillus).*
- A. Cruz and D. W. Johnston, Univ. Colorado and Univ. Florida, *Ecology and behavior of the West Indian Red-bellied Woodpecker.*
- H. H. Hadow, Coe College, *Behavioral events surrounding fledging of a Hairy Woodpecker.*
- J. P. Myers and F. A. Pitelka, Univ. California, *Seasonal abundance and habitat use patterns of shorebirds at two sites in northern Alaska.*
- G. L. Hunt, Jr., Univ. California, *Distribution and abundance of marine birds in the southeastern Bering Sea.*

- D. James, M. J. Lockerd and C. R. Preston, Univ. Arkansas, *Ozark avian community patterns*.
- D. M. Power, Santa Barbara Museum of Natural History, *Evolution in some California islands birds*.
- T. L. Bucher, Univ. California, *Energy metabolism and breathing patterns in parrots*.
- M. C. Moore, Univ. Washington, *The physiology of territorial behavior in White-crowned Sparrows: the role of male-female interactions*.
- L. R. Jones, Utah State Univ., *The effect of photoperiod and temperature on testicular growth in captive Black-billed Magpies*.
- R. B. Stiehl, Univ. Wisconsin-Green Bay, *Brood chronology of the Common Raven*.
- G. A. Bartholomew, Univ. California, *A comparison of the energetics of hummingbirds and sphinx moths*.
- F. Hamerstrom, Plainfield, Wisconsin, *Effect of voles on mating systems of Harriers*.
- B. C. Thompson, Texas A & M Univ., *Attributes of Cliff Swallow colonies on natural substrates in north-central Washington*.
- W. H. Baltosser, New Mexico State Univ., *Ecological relationships among nesting hummingbirds*.
- F. S. Shipley and S. D. Fretwell, Kansas State Univ., *The evolution of clutch-size variability in Red-winged Blackbirds*.
- C. S. Robbins and D. D. Boone, Migratory Bird and Habitat Research Lab., Maryland, *Effect of forest fragmentation on breeding bird populations in the Middle Atlantic states*.
- J. V. Remsen, Jr., Louisiana State Univ., *Contribution of flooded forest and water-edge habitats to bird species richness in Amazonia*.
- Carl E. Bock and T. L. Root, Univ. Colorado, *Winter biogeography of North American landbirds*.
- C. J. Ralph, Inst. of Pacific Islands Forestry, *An analysis of the processes of colonization and extinction in a modern avifauna*.
- S. Fretwell, Kansas State Univ., *Seasonal regulation and patterns of community structure*.
- B. A. Harrington and S. Groves, Manomet Bird Observatory and Univ. British Columbia, *Autumn molt and migration of Black-bellied Plovers in eastern North America*.
- F. L. Carpenter, Univ. California, *Territory and migration in Rufous Hummingbirds*.
- J. H. Rappole, Univ. Georgia, *Timing of migration and route selection in North American songbirds*.
- D. K. Jansen, Univ. Wisconsin-Stevens Point, *Spring migration route of Greater Sandhill Cranes from Florida to northwest Wisconsin*.
- R. K. Anderson, Univ. Wisconsin-Stevens Point, *Separation and reunion of a mated pair of Greater Sandhill Cranes*.
- W. B. Quay, Univ. Texas Medical Branch, *Comparative studies on the avian endolymphatic sac, a neglected organ with evidence of sensory function*.
- V. M. Mendenhall, Patuxent Wildlife Research Center, Maryland, *Energy reserves in hatchling Barn Owls (Tyto alba)*.
- F. J. Cuthbert, Univ. Minnesota, *The relationship between reproductive success and colony site use in Caspian Terns*.
- R. C. Laybourne, U.S. Fish and Wildlife Service, *Microscopic examination of the down of birds*.
- K. G. Cunningham, Univ. California, *Bioenergetics of the Loggerhead Shrike: relation between lifestyle and metabolism*.
- L. K. Southern and W. E. Southern, ENCAP, Inc. and Northern Illinois Univ., *Occurrence and significance of nest-site tenacity in Ring-billed Gulls*.

- S. R. Winterstein, New Mexico State Univ., *Growth and development of nestling Beechey Jays.*
- M. W. Collopy and K. Collopy, Univ. Michigan, *Growth energetics of Golden Eagles.*
- P. A. Gowaty, Clemson Univ., *Sex ratio adjustment of Eastern Bluebirds (Sialia sialis) in South Carolina.*
- E. Zerba, Occidental College, *Incubation temperatures in montane White-crowned Sparrows.*
- D. H. White, C. A. Mitchell, C. J. Stafford and M. Garner, Patuxent Wildlife Research Center, Texas, Maryland and Texas, *Black Skimmer declines in Texas may be DDE-related.*
- C. E. Grue, Patuxent Wildlife Research Center, Maryland, *Effect of an organophosphate pesticide on parental care in wild female Starlings.*
- M. K. Rylander, Texas Tech. Univ., *The ecological significance of tarsometatarsal length in sandpipers.*
- K. E. Church, Univ. Wisconsin-Green Bay, *Demographic characteristics of a Gray partridge (Perdix perdix L.) population in east-central Wisconsin.*
- D. Schamel and D. Tracy, Univ. Alaska, *Ecological implications of nest-site tenacity in phalaropes—an hypothesis.*
- N. L. Ford, St. John's Univ., Minnesota, *Do "floaters" exist?*
- R. A. Ryder, Colorado State Univ., *Status of the Boreal Owl in Colorado 1896-1979.*
- C. van Riper, III, CPSU/UC Davis, *Avifauna of the Kohala Mountain region, Hawaii.*
- E. A. Hibbard, Rte. 1, St. Cloud, Minnesota, *Bird mortality associated with power plant and transmission line structures in Minnesota.*
- K. L. Bildstein, Winthrop College, *The function of avian mobbing: Northern Harriers and passerines.*
- S. M. Russell and S. P. Martindale, Univ. Arizona, *Do Cassin's Sparrows have dual breeding ranges?*
- T. G. Marr, New Mexico State Univ., *Nestling feeding ecology of Cactus Wrens (Campylorhynchus brunneicapillus) in southern New Mexico.*
- M. H. Balph and D. F. Balph, Utah State Univ., *A test of status signaling in Pine Siskins.*
- R. L. Paterson, Jr., VPI & SU, Virginia, *Possible unrecognized spring migration routes of Wilson's Phalarope.*
- T. C. Maxwell, Angelo State Univ., *Avifaunal change since the late 19th century in west-central Texas.*
- T. and A. Manolis, Univ. Colorado, *A simple technique for weighing birds at feeders without capture.*
- R. F. Martin, Univ. Texas, *Reproductive correlates of environmental variation and niche expansion in the Cave Swallow.*
- R. R. Roth, J. T. Paul, Jr. and P. S. Martin, Univ. Delaware, *Predicting diversity from a diversity of indices.*
- J. W. Hardy, Univ. Florida, *Voices of New World nightbirds, owls, goatsuckers and their allies.*
- D. J. Watt, M. E. Douglas and G. D. Schnell, Univ. Oklahoma, *Hypothesis testing in behavioral studies: use of quantitative matrix comparisons.*
- J. K. Meents, Hazleton Environmental Sciences, *Effects of winter navigation on waterfowl, waterbird and raptor populations of the St. Lawrence River.*
- D. L. Mueller, D. F. Balph and M. H. Balph, Utah State Univ., *Experiments on the response of captive raptors to areas of differing prey availability.*
- C. F. Leck, Rutgers Univ., *The annual population cycle of Mockingbirds in suburban New Jersey.*

- P. E. Woods and C. Bens, Miami Univ., *Stereotyped aggressive display in the White-breasted Nuthatch.*
- D. F. DeSante, Point Reyes Bird Observatory, *The abundance and year-to-year variability of migrant landbirds on southeast Farallon Island.*

## ATTENDANCE

- ALABAMA: *Birmingham*, Thomas and Gina Imhof, Joseph Imhof, Harriet Wright.
- ALASKA: *Fairbanks*, Daniel D. Gibson, Brina Kessel.
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